WHAT IS CLAIMED IS:

1	1. A method of performing an endoscopic surgical procedure on a target
2	site within a body cavity of a patient comprising:
3	operatively coupling moveable actuator pins of a surgical instrument with a
4	driver of a robotic arm to releasably couple the surgical instrument to the robotic arm;
5	introducing a distal portion of said surgical instrument through a percutaneous
6	penetration into the body cavity within the patient;
7	pivoting the surgical instrument about the percutaneous penetration by moving
8	a proximal portion of said instrument outside the body cavity with a plurality of degrees of
9	freedom of movement using the robotic arm.
1	2. The method of claim 1 further comprising establishing a center of
2	rotation at a desired location along said surgical instrument, such that said robotic arm
3	constrains movement of the instrument about said center of rotation in the course of
4	manipulation of tissue with the instrument within the body cavity.
1	3. The method of claim 1 wherein an end effector is operatively coupled
2	to the actuator pin with a linkage, wherein displacing the actuator pin along a shaft of the
3	surgical instrument actuates the end effector.
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1	4. The method of claim 3 wherein coupling comprises releasably
2	disposing the actuator pin within an aperture of the driver.
1	5. The method of claim 4 wherein the actuator pin extends through a slot
2	in the surgical instrument and is positioned substantially orthogonal to the linkage.
1	6. The method of claim 3 further comprising moving the end effectors
2	with a plurality of degrees of freedom of movement within the body cavity of the patient.
1	7. The method of claim 6 wherein the end effectors of the surgical
2	instrument has three degrees of freedom.
1	8. The method of claim 6 wherein moving comprises articulating a
2	plurality of rotational joints coupling rigid shaft elements.
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9. The method of claim 3 comprising opening and closing jaws of the end . 1 2 effector. The method of claim 1 further comprising remotely controlling 10. 1 movement of the surgical instrument with an input control device. 2 The method of claim 10 further comprising detecting forces and 1 11. 2 torques applied to the surgical instrument. The method of claim 11 comprising transmitting feedback signals to 1 12.

the input control device based on the forces and torques applied to the surgical instrument.

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